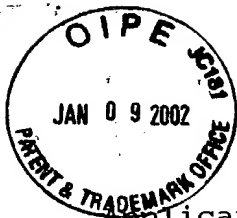


FORM PTO-1390 (REV. 9-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER ATM-2243 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/926583
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			
INTERNATIONAL APPLICATION NO. PCT/EP00/04333	INTERNATIONAL FILING DATE May 13, 2000	PRIORITY DATE CLAIMED June 2, 1999	
TITLE OF INVENTION CHILD-RESISTANT PACKAGING FOR TABLETS			
APPLICANT(S) FOR DO/EO/US Peter KANCSAR et al.			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (unexecuted)</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11 to 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information:</p> <p>International Search Report in German with English language translation Notification of Receipt of Record Copy, PCT Antrag, WO 00/75039 A3 International Preliminary Examination Report in German</p>			

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">09/926583</div>		INTERNATIONAL APPLICATION NO. PCT/EP00/04333		ATTORNEY'S DOCKET NUMBER ATM-2243	
21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1040.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY <div style="border: 1px solid black; padding: 2px;">\$ 890.00</div>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<div style="border: 1px solid black; padding: 2px;">\$</div>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	50 - 20 =	30	x \$18.00	\$ 540.00	
Independent claims	- 3 =		x \$84.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$280.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 1,430.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$ 1,430.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$ 1,430.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
TOTAL FEES ENCLOSED =				\$ 1,430.00	
				Amount to be refunded:	\$
				charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,430.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1110</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: Fisher Christen & Sabol Suite 1401 1725 K Street, N.W. Washington, D.C. 20006					
				<div style="border-bottom: 1px solid black; display: inline-block; width: 150px;">Kara M. Armstrong</div> SIGNATURE <div style="border-bottom: 1px solid black; display: inline-block; width: 150px;">Kara M. Armstrong</div> NAME <div style="border-bottom: 1px solid black; display: inline-block; width: 100px;">38,234</div> REGISTRATION NUMBER	

Please enter preliminary amendment BEFORE calculating fees

Please enter preliminary amendment BEFORE calculating fees



JCO3 REC'D PCT/75 10-9 JAN 2002 PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. ATM-2243

Applicants: Peter KANCSAR et al.

Appl. No. : 09/926,583

Examiner: To be assigned

Filed : November 21, 2001

Art Unit: To be assigned

Title : BLISTER PACK

SUPPLEMENTAL PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend this application as follows:

In the Specification:

In accordance with 37 C.F.R. 1.121, please substitute for the original first paragraph on page 1 the following rewritten version on page 1, as amended; insert the following new paragraphs on page 1, line 6 (i.e., between lines 5 and 7); insert the following new paragraph on page 1, line 24 (i.e., between lines 23 and 25); substitute for the original paragraph on page 1, line 31, to page 2, line 1, the following rewritten version on page 1, line 31, to page 2, line 1, as amended; substitute for the original first full paragraph on page 2 the following rewritten version on page 2, as amended; substitute for the original third full paragraph on page 2 the following rewritten version on page 2, as amended; substitute for the original paragraph on page 2, line 30, to page 3, line 6, the following rewritten version on page 2, line 30, to page 3, line 6, as amended; substitute for the original first full paragraph on page 3 the following rewritten version on page 3, as

Supplemental Preliminary Amendment
Appl. No. 09/926,583

follows; and insert the abstract of the disclosure submitted herewith on a separate page. The changes made are shown explicitly in the attached "Version with Markings to Show Changes Made."

Please cancel the original first paragraph on page 1 and substitute therefor the rewritten first paragraph on page 1, as follows:

The invention concerns a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets or capsules sealed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged an intermediate part and the intermediate part is covered by a cover part, where the cover film of the blister pack faces towards the intermediate part, where between the blister pack and the intermediate part is arranged a first adhesive and between the intermediate part and the cover part is arranged a second adhesive, and where when the outer pack is closed, the second adhesive has a lower adhesive force than the first adhesive.

Please insert the new paragraphs on page 1, line 6 (i.e., between lines 5 and 7), as follows:

Supplemental Preliminary Amendment
Appl. No. 09/926,583

through cover film, where over the blister pack fitted with an outer pack is arranged a first cover part and the first cover part is overlaid by a second cover part, and where the cover film of the blister pack faces towards the first cover part.

The invention also concerns a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets closed by a push-through cover film, where the blister pack is arranged in an outer pack between a base part and a first cover part, where the first cover part is overlaid by a second cover part, and where the cover film of the blister pack faces towards the first cover part.

Please insert the new paragraph on page 1, line 24 (i.e., between lines 23 and 25), as follows:

A child-safe packing of the type described initially is known from U.S. Patent No. 3,912,082.

Please cancel the original paragraph on page 1, line 31, to page 2, line 1, and substitute therefor the rewritten paragraph on page 1, line 31, to page 2, line 1, as follows:

A first solution to the task according to the invention is a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack

Supplemental Preliminary Amendment
Appl. No. 09/926,583

with at least one cup to hold the tablets sealed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged an intermediate part and the intermediate part is covered by a cover part, where the cover film of the blister pack faces towards the intermediate part, where between the blister pack and the intermediate part is arranged a first adhesive and between the intermediate part and the cover part is arranged a second adhesive, and where when the outer pack is closed, the second adhesive has a lower adhesive force than the first adhesive, after separating the cover part from the intermediate part, the second adhesive has a higher adhesive force than the first adhesive.

Please cancel the original first full paragraph on page 2 and substitute therefor the rewritten first full paragraph on page 2, as follows:

A second solution to the task according to the invention is a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets sealed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged an intermediate part, where the cover film of the blister pack faces

Supplemental Preliminary Amendment
Appl. No. 09/926,583

towards the intermediate part, and where between the blister pack and the intermediate part is arranged a first adhesive, the intermediate part is partly covered by a removable separating part and a cover part lies on the separating part, in that between the intermediate part and the separating part is arranged a second adhesive, and between the intermediate part not covered by the separating part and the separating part and the cover part is arranged a third adhesive, where the third adhesive has a lower adhesive force than the first adhesive and the second adhesive has a higher adhesive force than the first adhesive.

Please cancel the original third full paragraph on page 2 and substitute therefor the rewritten third full paragraph on page 2, as follows:

A third solution to the task according to the invention is a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets sealed by means of a push-through cover film, where the blister pack in an outer pack is arranged between a base part and a cover part, where the cover part is covered by a sealing part, where the cover film of the blister pack faces towards the cover part, and where, with the outer

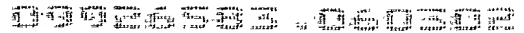
Supplemental Preliminary Amendment
Appl. No. 09/926,583

similar pharmaceutical products with a blister pack with at least one cup to hold the tablets closed by a push-through cover film, where the blister pack is arranged in an outer pack between a base part and a first cover part, where the first cover part is overlaid by a second cover part, and where the cover film of the blister pack faces towards the first cover part, the second cover part is overlaid by a sealing part lying on this, in that the first sealing part has a removal opening opposite the cup of the base part and sealed by the second cover part when the outer pack is closed, and optionally covered by a push-through opening seal, in that the two cover parts are connected together at one end and at the other end each is connected to one end of the base part or sealing part, and the base part is connected to the sealing part at their other ends to form grip tabs, in that the grip tabs of the two cover parts lie within a loop formed by the base part and the sealing part and in that with the outer pack closed, between the first cover part and the base part and between the second cover part and the sealing part there is a releasable connection which is separated after opening the outer pack after pulling on the grip tabs, where in this open position of the outer

Supplemental Preliminary Amendment
Appl. No. 09/926,583

pack the cover film over the cup of the base part lies
opposite the removal opening.

Please amend the application to insert the abstract of the
disclosure that is submitted herewith on the attached sheet.



REMARKS

The first paragraph on page 1 has been rewritten. The paragraph on page 1, line 31, to page 2, line 1, has been rewritten. The first and third paragraphs on page 2 have been rewritten. The first paragraph on page 3 has been rewritten. New paragraphs have been inserted on page 1, lines 6 and 24. An abstract of the disclosure has been supplied.


Respectfully submitted,

Dec. 7, 2001
Date

Virgil H. Marsh
Virgil H. Marsh
Reg. No. 23,083

Fisher, Christen & Sabol
Suite 1401
1725 K Street, N.W.
Washington, D.C. 20006

(202) 659-2000

CERTIFICATE OF MAILING
I hereby certify that this correspondence
of Dr. W. J. W. is being deposited with the
United States Postal Service as first class mail in an envelope
addressed to: Commissioner for Patents, Washington, D.C.
20231 on Dec. 10, 1989

FISHER, CHRISTEN & SABOL
1725 Street, N.W.
Suite 1401
Washington, D.C. 20006

Supplemental Preliminary Amendment
Appl. No. 09/926,583

VERSION WITH MARKINGS TO SHOW CHANGES MADE

The original first paragraph on page 1 has been cancelled and the rewritten first paragraph on page 1 has been substituted therefor, as follows:

The invention concerns a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets or capsules sealed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged an intermediate part and the intermediate part is covered by a cover part, where the cover film of the blister pack faces towards the intermediate part, where between the blister pack and the intermediate part is arranged a first adhesive and between the intermediate part and the cover part is arranged a second adhesive, and where when the outer pack is closed, the second adhesive has a lower adhesive force than the first adhesive.

The new paragraphs have been inserted on page 1, line 6 (between lines 5 and 7), as follows:

The invention also concerns a child-safe packing for tablets, capsules and similar pharmaceutical products, with a blister pack with at least one cup to hold the tablets sealed by a push-through cover film,

Supplemental Preliminary Amendment
Appl. No. 09/926,583

The invention also concerns a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets closed by a push-through cover film, where the blister pack is arranged in an outer pack between a base part and a first cover part, where the first cover part is overlaid by a second cover part, and where the cover film of the blister pack faces towards the first cover part.

The new paragraph has been inserted on page 1, line 24 (i.e., between lines 23 and 25), as follows:

A child-like packing of the type described initially is known from U.S. Patent No. 3,912,082.

The original paragraph on page 1, line 31, to page 2, line 1, has been cancelled and the rewritten paragraph on page 1, line 31, to page 2, line 1, has been substituted therefor, as follows:

A first solution to the task according to the invention is [that over a blister pack equipped with an outer pack is arranged an intermediate part and the intermediate part is covered by a cover part, where the cover film of the blister pack faces towards the intermediate part, and between the base part or blister pack and intermediate part is arranged a first adhesive and between the intermediate part and cover part is

Supplemental Preliminary Amendment
Appl. No. 09/926,583

arranged a second adhesive, where with the outer pack closed the second adhesive has a lower adhesion force than the first adhesive and, after separation of the cover part from the intermediate part, a higher adhesion force than the first adhesive] a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets sealed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged an intermediate part and the intermediate part is covered by a cover part, where the cover film of the blister pack faces towards the intermediate part, where between the blister pack and the intermediate part is arranged a first adhesive and between the intermediate part and the cover part is arranged a second adhesive, and where when the outer pack is closed, the second adhesive has a lower adhesive force than the first adhesive, after separating the cover part from the intermediate part, the second adhesive has a higher adhesive force than the first adhesive.

The original first full paragraph on page 2 has been cancelled and the rewritten first full paragraph on page 2 has been substituted therefor, as follows:

Supplemental Preliminary Amendment
Appl. No. 09/926,583

A [In a] second solution to the task according to the invention[, over a blister pack fitted with an outer pack is arranged an intermediate part and the intermediate part is partly covered by a removable separating part and a cover part lies on the separating part, where the cover film of the blister pack faces towards the intermediate part, and between the base part or blister pack and the intermediate part is arranged a first adhesive, between the intermediate part and separating part a second adhesive, and between the intermediate part not covered by the separating part and the separating part and cover part is a third adhesive, where the third adhesive has a lower adhesion force than the first adhesive and the second adhesive has a higher adhesion force than the first adhesive] is a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack (52) with at least one cup (64) to hold the tablets sealed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged an intermediate part, where the cover film of the blister pack faces towards the intermediate part, and where between the blister pack and the intermediate part is arranged a first adhesive, the intermediate part is partly covered

Supplemental Preliminary Amendment
Appl. No. 09/926,583

by a removable separating part and a cover part lies on the separating part, in that between the intermediate part and the separating part is arranged a second adhesive, and between the intermediate part not covered by the separating part and the separating part and the cover part is arranged a third adhesive, where the third adhesive has a lower adhesive force than the first adhesive and the second adhesive has a higher adhesive force than the first adhesive.

The original third full paragraph on page 2 has been cancelled and the rewritten third full paragraph on page 2 has been substituted therefor, as follows:

A [In a] third solution to the task according to the invention[, the blister pack is arranged in an outer pack between a base part and a cover part, the cover part is covered by a sealing part and the sealing part is overlaid by a tear-off part, where the cover film of the blister pack faces towards the cover part, and with the outer pack closed between the base part or blister pack and cover part is arranged a first adhesive and between the base part and sealing part a second adhesive, where the second adhesive has a higher adhesion force than the first adhesive, and when the outer pack is closed the sealing part is folded about a

Supplemental Preliminary Amendment
Appl. No. 09/926,583

first fold line, and when the outer pack is opened, about a second fold line, and where after folding the sealing part about the second fold line, the second adhesive is arranged between the sealing part and the cover part] is a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets sealed by means of a push-through cover film, where the blister pack in an outer pack is arranged between a base part and a cover part, where the cover part is covered by a sealing part, where the cover film of the blister pack faces towards the cover part, and where, with the outer pack closed, between the base part or the blister pack and the cover part is arranged a first adhesive, the sealing part is covered by a tear-off part, in that between the base part and the sealing part is arranged a second adhesive, where the second adhesive has a higher adhesive force than the first adhesive, and the sealing part, with the outer pack closed, is folded about a first fold line (k) and on opening the outer pack, about a second fold line (l), and where after folding the sealing part about the second fold line (l), the second adhesive is arranged between the sealing part (108) and the cover part.

Supplemental Preliminary Amendment
Appl. No. 09/926,583

The original paragraph on page 2, line 30, to page 3, line 6, has been cancelled and the rewritten original paragraph on page 2, line 30, to page 3, line 6, has been substituted therefor, as follows:

A [In a] fourth solution to the task according to the invention[, over a blister pack fitted with an outer pack is arranged a first cover part and the first cover part is overlaid by a second cover part and a sealing part lying on this, where the cover film of the blister pack faces towards the first cover part and the sealing part has a removal opening opposite the cup of the blister pack, which is sealed by the second cover part when the outer pack is closed and is optionally covered by a push-through opening seal, the two cover parts are connected together at one end and at the other end each is connected to one end of the blister pack or the sealing part and the blister pack is connected to the sealing part at their other ends forming grip tabs, and the grip tabs of the two cover parts lie within a loop formed by the blister pack and the sealing part, and in that with the outer pack closed, between the first cover part and the blister pack and between the second cover part and the sealing part there is a releasable connection which is

Supplemental Preliminary Amendment
Appl. No. 09/926,583

separated after opening the outer pack after pulling on the grip tabs, where in this opening position of the outer pack the cover film over the cup of the blister pack lies opposite the removal opening] is a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets closed by a push-through cover film, where over the blister pack fitted with an outer pack is arranged a first cover part and the first cover part is overlaid by a second cover part, and where the cover film of the blister pack faces towards the first cover part, the second cover part is overlaid by a sealing part lying on this, in that the sealing part has a removal opening opposite the cup of the blister pack and sealed by the second cover part when the outer pack is closed, and optionally covered by a push-through opening seal, in that the two cover parts are connected together at one end and at the other end each is connected to one end of the blister pack or the sealing part, and the blister pack is connected to the sealing part at their other ends to form grip tabs, in that the grip tabs of the two cover parts lie within a loop formed by the blister pack and sealing part, and in that with the

Supplemental Preliminary Amendment
Appl. No. 09/926,583

their other ends to form grip tabs, and the grip tabs of the two cover parts lie within a loop formed by the base part and sealing part, and in that with the outer pack closed, between the first cover part and the base part and between the second cover part and the sealing part there is a releasable connection which can be separated after opening the outer pack after pulling on the grip tabs, where in this open position of the outer pack, the cover film over the cup of the blister pack lies opposite the removal opening] a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets closed by a push-through cover film, where the blister pack is arranged in an outer pack between a base part and a first cover part, where the first cover part is overlaid by a second cover part, and where the cover film of the blister pack faces towards the first cover part, the second cover part is overlaid by a sealing part lying on this, in that the first sealing part has a removal opening opposite the cup of the base part and sealed by the second cover part when the outer pack is closed, and optionally covered by a push-through opening seal, in that the two cover parts are connected together at one end and at

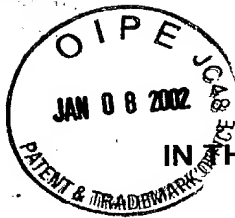


09/926,583

Supplemental Preliminary Amendment
Appl. No. 09/926,583

ABSTRACT OF THE DISCLOSURE

A child-resistant yet senior-friendly packaging for tablets, capsules or similar pharmaceutical products. The packaging is a blister pack (12) with at least one cup (24) that receives tablets in an external package (10), arranged between a base part (14) and an intermediate part (16), and that is closed by a cover film (26) that can be pressed through. The intermediate part (16) is covered by a cover part (18). A first adhesive (30) is arranged between the base part (14) or the blister pack (12) and the intermediate part (16). A second adhesive (32) is arranged between the intermediate part (16) and the cover part (18). The second adhesive (32), in the closed state of the external package (10), has a lower adhesiveness vis-à-vis the first adhesive (30) and, once the cover part (18) is released from the intermediate part (16), a higher adhesiveness vis-à-vis the first adhesive (30).



09926583.060302 PET
JC03 Rec'd PCT/PTO 08 JAN 2002 #4.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket: ATM-2243

Applicant : Peter KANCSAR et al.
Serial No. : 09/926,583
Filed : November 21, 2001
Mark : CHILD-RESISTANT PACKAGING FOR TABLETS

SUPPLEMENTAL PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please amend this application as follows:

In the Application:

Please amend the application to insert the abstract of the disclosure that is submitted herewith on the attached sheet.

Peter KANCSAR et al.
09/926,583
Supplemental Preliminary Amendment

REMARKS

An abstract of the disclosure has been submitted

Respectfully submitted,

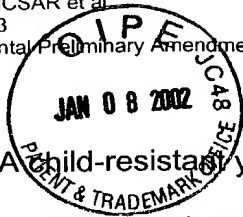
Virgil H. Marsh

Virgil H. Marsh
Registration No. 23,083

Date: Nov, 28, 2001

FISHER, CHRISTEN & SABOL
1725 K Street, N.W.
Suite 1401
Washington, D.C. 20006
Telephone: 202/659-2000
Facsimile: 202/659-2015

<p>CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence dated <u>11/28/01</u> is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on <u>November 28, 2001</u></p> <p><u>Kati Swanson</u> FISHER, CHRISTEN & SABOL 1725 K Street, N.W. Suite 1401 Washington, D.C. 20006</p>
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ABSTRACT OF THE DISCLOSURE

A child-resistant yet senior-friendly packaging for tablets, capsules or similar pharmaceutical products. The packaging is a blister pack (12) with at least one cup (24) that receives tablets in an external package (10), arranged between a base part (14) and an intermediate part (16), and that is closed by a cover film (26) that can be pressed through. The intermediate part (16) is covered by a cover part (18). A first adhesive (30) is arranged between the base part (14) or the blister pack (12) and the intermediate part (16). A second adhesive (32) is arranged between the intermediate part (16) and the cover part (18). The second adhesive (32), in the closed state of the external package (10), has a lower adhesiveness vis-à-vis the first adhesive (30) and, once the cover part (18) is released from the intermediate part (16), a higher adhesiveness vis-à-vis the first adhesive (30).

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket: ATM-2243

Applicant : Peter KANCSAR et al.
Serial No. : (National Stage of PCT/EP00/04333, filed May 13, 2000)
Filed : November 21, 2001
For : CHILD-RESISTANT PACKAGING FOR TABLETS

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please amend the application as follows:

In the Specification

In accordance with 37 C.F.R. 1.121, please insert the following priority history paragraph on page 1 between the title and the first line. The changes made are shown explicitly in the attached "Version With Markings To Show Changes Made".

Please insert the following priority history paragraph on page 1 between the title and the first line.

This is a 371 of International Application No. PCT/EP00/04333, filed on May 12, 2000, that has benefit of European Patent Application No. 99810482.2, filed on June 2, 1999.

In the Claims:

17. A child-safe packing for tablets, capsules and similar pharmaceutical products, with a blister pack (52) with at least one cup (64) to hold the tablets (60) sealed by a push-through cover film (66), where over the blister pack (52) fitted with an outer pack (50) is arranged an intermediate part (56), where the cover film (66) of the blister pack (52) faces towards the intermediate part (56), and where between the blister pack (52) and intermediate part (56) is arranged a first adhesive (70), and the intermediate part (56) is partly covered by a removable separating part (57) and a cover part (58) lies on the separating part (57), in that between the intermediate part (56) and the separating part (57) is arranged a second adhesive (74), and between the intermediate part (56) not covered by the separating part (57) and the separating part (57) and cover part (58) is arranged a third adhesive (78), where the third adhesive (78) has a lower adhesive force than the first adhesive (70) and the second adhesive (74) has a higher adhesive force than the first adhesive (70).

18. The packing according to claim 17, wherein the blister pack (12, 52) in the outer pack (10,50) is arranged between a base part (14, 54) and the intermediate part (16, 56), and that the first adhesive (30, 70) is arranged between the base part (14, 54) or blister pack (12, 52) and the intermediate part (16, 56).

19. A child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack (102) with at least one cup (114) to hold the tablets (110) sealed by means of a push-through cover film (116), where the blister pack

(102) in an outer pack (100) is arranged between a base part (104) and a cover part (106), where the cover part (106) is covered by a sealing part (108), where the cover film (116) of the blister pack (102) faces towards the cover part (106), and where, with the outer pack (100) closed, between the base part (104) or blister pack (102) and cover part (106) is arranged a first adhesive (126), and the sealing part (108) is covered by a tear-off part (120), in that between the base part (104) and sealing part (108) is arranged a second adhesive (128), where the second adhesive (128) has a higher adhesive force than the first adhesive (126), and the sealing part (108), with the outer pack (100) closed is folded about a first fold line (k) and on opening the outer pack (100), about a second fold line (l), and where after folding the sealing part (108) about the second fold line (l), the second adhesive (128) is arranged between the sealing part (108) and cover part (106).

20. A child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack (142) with at least one cup (152) to hold the tablets (148) closed by a push-through cover film (154), where over the blister pack (142) fitted with an outer pack (140) is arranged a first cover part (160) and the first cover part (160) is overlaid by a second cover part (162), and where the cover film (154) of the blister pack (142) faces towards the first cover part (160), the second cover part (162) is overlaid by a sealing part (146) lying on this, in that the sealing part (146) has a removal opening (172) opposite the cup (152) of the blister pack (142) and sealed by the second cover part (162) when the outer

pack (140) is closed, and optionally covered by a push-through opening seal, in that the two cover parts (160, 162) are connected together at one end and at the other end each is connected to one end of the blister pack (142) or sealing part (146), and the blister pack is connected to the sealing part (146) at their other ends to form grip tabs (158, 166, 168, 170), in that the grip tabs (166) of the two cover parts (160, 162) lie within a loop formed by the blister pack (142) and sealing part (146), and in that with the outer pack (140) closed, between the first cover part (160) and blister pack (142) and between the second cover part (162) and sealing part (146) there is a releasable connection which is separated after opening the outer pack (140) after pulling on the grip tabs (158, 166), where, in this open position of the outer pack (140), the cover film (154) over the cup (152) of the blister pack (142) lies opposite the removal opening (172).

21. The packing according to claim 20 , wherein the connection between the first cover part (160) and the blister pack or base part (144), and between the second cover part (162) and the sealing part (146), is separately glued or sealed.

22. The packing according to claim 20, wherein with the outer pack (140) closed, an adhesive (164) is arranged between the first cover part (160) and blister pack (142) or the base part (144), and between the second cover part (162) and sealing part (146), and after opening the outer pack (140) after pulling on the grip tabs (158, 166), lies between the two cover parts (160, 162) or between the base part (144) and sealing part (146), where in this open position

of the outer pack (140) the cover film (154) over the cup (152) of the blister pack (142) lies opposite the removal opening (172).

23. A child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack (142) with at least one cup (152) to hold the tablets (148) closed by a push-through cover film (154), where the blister pack (142) is arranged in an outer pack (140) between a base part (144) and a first cover part (160), where the first cover part (160) is overlaid by a second cover part (162), and where the cover film (154) of the blister pack (142) faces towards the first cover part (160), the second cover part (162) is overlaid by a sealing part (146) lying on this, in that the first sealing part (146) has a removal opening (172) opposite the cup (152) of the base part (142) and sealed by the second cover part (162) when the outer pack (140) is closed, and optionally covered by a push-through opening seal, in that the two cover parts (160, 162) are connected together at one end and at the other end each is connected to one end of the base part (144) or sealing part (146), and the base part is connected to the sealing part (146) at their other ends to form grip tabs (158, 166, 168, 170), in that the grip tabs (166) of the two cover parts (160, 162) lie within a loop formed by the base part (144) and sealing part (146) and in that with the outer pack (140) closed, between the first cover part (160) and base part (144) and between the second cover part (162) and sealing part (146) there is a releasable connection which is separated after opening the outer pack (140) after pulling on the grip tabs (158, 166), where, in this open position of the outer pack (140) the

cover film (154) over the cup (152) of the base part (144) lies opposite the removal opening (172).

24. The packing according to claim 23, wherein the connection between the first cover part (160) and the blister pack or base part (144), and between the second cover part (162) and the sealing part (146), is separately glued or sealed.

25. The packing according to claim 23, wherein, with the outer pack (140) closed, an adhesive (164) is arranged between the first cover part (160) and blister pack (142) or the base part (144), and between the second cover part (162) and sealing part (146), and after opening the outer pack (140) after pulling on the grip tabs (158, 166), lies between the two cover parts (160, 162) or between the base part (144) and sealing part (146), where, in this open position of the outer pack (140) the cover film (154) over the cup (152) of the blister pack (142) lies opposite the removal opening (172).

26. The packing according to claim 15, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) protrudes outwards from the plane formed by the base part (14, 54, 104, 144).

27. The packaging according to claim 25, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) penetrates an opening (28, 68, 118, 156) in the base part (14, 54, 104, 144).

28. The packaging according to claim 25, wherein the cup is formed from the base part (14, 54, 104, 144) and the cup (24, 64, 114, 152) of the blister

pack (12, 52, 102, 142) is arranged in the cup of the base part (14, 54, 104, 144).

29. The packaging according to claim 17, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) protrudes outwards from the plane formed by the base part (14, 54, 104, 144).

30. The packaging according to claim 29, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) penetrates an opening (28, 68, 118, 156) in the base part (14, 54, 104, 144).

31. The packaging according to claim 29, wherein the cup is formed from the base part (14, 54, 104, 144) and the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) is arranged in the cup of the base part (14, 54, 104, 144).

32. The packaging according to claim 29, wherein the outer pack (10, 50, 100, 140) consists of a single cut-out.

33. The packaging according to claim 23, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) protrudes outwards from the plane formed by the base part (14, 54, 104, 144).

34. The packaging according to claim 33, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) penetrates an opening (28, 68, 118, 156) in the base part (14, 54, 104, 144).

35. The packaging according to claim 33, wherein the cup is formed from the base part (14, 54, 104, 144) and the cup (24, 64, 114, 152) of the blister

pack (12, 52, 102, 142) is arranged in the cup of the base part (14, 54, 104, 144).

36. The packaging according to claim 33, wherein the outer pack (10, 50, 100, 140) consists of a single cut-out.

37. The packing according to claim 24, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) protrudes outwards from the plane formed by the base part (14, 54, 104, 144).

38. The packaging according to claim 37, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) penetrates an opening (28, 68, 118, 156) in the base part (14, 54, 104, 144).

39. The packaging according to claim 37, wherein the cup is formed from the base part (14, 54, 104, 144) and the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) is arranged in the cup of the base part (14, 54, 104, 144).

40. The packaging according to claim 37, wherein the outer pack (10, 50, 100, 140) consists of a single cut-out.

41. The packing according to claim 25, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) protrudes outwards from the plane formed by the base part (14, 54, 104, 144).

42. The packaging according to claim 41, wherein the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) penetrates an opening (28, 68, 118, 156) in the base part (14, 54, 104, 144).

43. The packaging according to claim 41, wherein the cup is formed from the base part (14, 54, 104, 144) and the cup (24, 64, 114, 152) of the blister pack (12, 52, 102, 142) is arranged in the cup of the base part (14, 54, 104, 144).

44. The packaging according to claim 41, wherein the outer pack (10, 50, 100, 140) consists of a single cut-out.

45. A double pack that consists of two mirror symmetrically arranged part packings according to claim 15.

46. A multi-portion pack of at least two packings according to claim 15, wherein the individual packings are arranged next to each other in a strip pack (40, 90).

47. The multi-portion pack according to claim 46, wherein the individual packings form the strip pack (40, 90) along a weakening line.

48. The multi-portion pack, according to claim 47, wherein the weakening line is a perforation line (42, 92)

49. A double pack that consists of two mirror symmetrically arranged part packings according to claim 17.

50. A multi-portion pack of at least two packings according to claim 17, wherein the individual packings are arranged next to each other in a strip pack (40, 90).

51. The multi-portion pack according to claim 50, wherein the individual packings form the strip pack (40, 90) along a weakening line.

62. A multi-portion pack of at least two packings according to claim 23, wherein the individual packings are arranged next to each other in a strip pack (40, 90).

63. The multi-portion pack according to claim 62, wherein the individual packings form the strip pack (40, 90) along a weakening line.

64. The multi-portion pack according to claim 63, wherein the weakening line is a perforation line (42, 92).

09/926583

REMARKS

Please enter this preliminary amendment before calculating the filing fee.

The claims have been amended to eliminate the multiple-dependency.

The priority history paragraph has been inserted on page 1. Original claims 1 to 14 have been cancelled. New claims 15 to 64 have been inserted.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

The following priority history paragraph on page 1 between the title and the first line.

This is a 371 of International Application No. PCT/EP00/04333, filed on May 12, 2000, that has benefit of European Patent Application No. 99810482.2, filed on June 2, 1999.

In the Claims:

Original claims 1 to 14 have been cancelled.

New claims 15 to 64 have been inserted.

5/PRTS

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Child-Resistant Packaging for Tablets

The invention concerns a child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack with at least one cup to hold the tablets or capsules sealed by a push-through cover film.

The danger of unsupervised consumption of drugs is undisputed, where in particular small children are greatly exposed to this potential risk especially when drugs are left lying around.

Blister packs have become the predominant form of packaging for tablets and capsules. Push-through packs, in which the tablets are pushed through a cover film from a cup in the base of the packing, have become very common. In other known blister packs a cover film is removed by peeling. Other blister packs have a notch as a tear aid.

The possibilities exploited today for increasing the child-safety of the said blister packs for tablets and capsules consist of rendering opening more difficult by measures which require increased force, e.g. thicker push-through films, stronger adhesion of peel films or high tear resistance at tear notches.

Packs which can only be opened with increased use of force are indeed child-safe but can constitute a problem for the elderly.

The invention is therefore based on the task of creating a child-safe packing of the type described initially which can easily be opened by the elderly. Essentially, the packing is structured such that its opening requires a combination skill, or simultaneous movements must be performed, or procedures which require coordination or combination of individual steps.

A first solution to the task according to the invention is that over a blister pack equipped with an outer pack is arranged an intermediate part and the intermediate part is covered by a cover part, where the cover film of the blister pack faces towards the intermediate part, and between the base part or blister pack and intermediate part is arranged a first adhesive and between the intermediate part and cover part is arranged a second adhesive, where with the outer pack closed the second adhesive has a lower adhesion force than the first adhesive and, after separation of the cover part from the intermediate part, a higher adhesion force

than the first adhesive.

In a second solution to the task according to the invention, over a blister pack fitted with an outer pack is arranged an intermediate part and the intermediate part is partly covered by a removable separating part and a cover part lies on the separating part, where the cover film of the blister pack faces towards the intermediate part, and between the base part or blister pack and the intermediate part is arranged a first adhesive, between the intermediate part and separating part a second adhesive, and between the intermediate part not covered by the separating part and the separating part and cover part is a third adhesive, where the third adhesive has a lower adhesion force than the first adhesive and the second adhesive has a higher adhesion force than the first adhesive.

To achieve greater stability of the packing, the blister pack can be arranged in an outer pack between a base part and the intermediate part and the first adhesive can be arranged between the base part or blister pack and the intermediate part.

In a third solution to the task according to the invention, the blister pack is arranged in an outer pack between a base part and a cover part, the cover part is covered by a sealing part and the sealing part is overlaid by a tear-off part, where the cover film of the blister pack faces towards the cover part, and with the outer pack closed between the base part or blister pack and cover part is arranged a first adhesive and between the base part and sealing part a second adhesive, where the second adhesive has a higher adhesion force than the first adhesive, and when the outer pack is closed the sealing part is folded about a first fold line, and when the outer pack is opened, about a second fold line, and where after folding the sealing part about the second fold line, the second adhesive is arranged between the sealing part and the cover part.

In a fourth solution to the task according to the invention, over a blister pack fitted with an outer pack is arranged a first cover part and the first cover part is overlaid by a second cover part and a sealing part lying on this, where the cover film of the blister pack faces towards the first cover part and the sealing part has a removal opening opposite the cup of the blister pack, which is sealed by the second cover part when the outer pack is closed and is optionally covered by a push-through opening seal, the two cover parts are connected together at one end and at the other end each is connected to one end of the blister pack or the sealing part and the blister pack is connected to the sealing part at their other ends forming grip

tabs, and the grip tabs of the two cover parts lie within a loop formed by the blister pack and the sealing part, and in that with the outer pack closed, between the first cover part and the blister pack and between the second cover part and the sealing part there is a releasable connection which is separated after opening the outer pack after pulling on the grip tabs, where in this opening position of the outer pack the cover film over the cup of the blister pack lies opposite the removal opening.

A variant with greater stability is characterised in that the blister pack is arranged in an outer pack between a base part and a first cover part and the first cover part is overlaid by a second cover part and a sealing part lying on this, where the cover film of the blister pack faces towards the first cover part and the first cover part has a removal opening opposite the cup of the blister pack which is sealed by the second cover part when the outer pack is closed and is optionally covered by a push-through opening seal, the two cover parts are connected together at one end and at the other end each is connected to one end of the base part or sealing part, and the base part is connected to the sealing part at their other ends to form grip tabs, and the grip tabs of the two cover parts lie within a loop formed by the base part and sealing part, and in that with the outer pack closed, between the first cover part and the base part and between the second cover part and the sealing part there is a releasable connection which can be separated after opening the outer pack after pulling on the grip tabs, where in this open position of the outer pack, the cover film over the cup of the blister pack lies opposite the removal opening.

In a first preferred embodiment of the fourth solution to the task according to the invention, the connection between the first cover part and the blister pack or the base part and between the second cover part and the sealing part is glued or sealed separably.

In a second preferred embodiment of the fourth solution to the task according to the invention, when the outer pack is closed an adhesive is arranged between the first cover part and the blister pack or the base part and between the second cover part and the sealing part, and after the outer pack has been opened after pulling on the grip tabs, between the two cover parts or between the base part and sealing part, where in this open position of the outer pack the cover film over the cup of the blister pack lies opposite the removal opening.

The principle common to all four solutions according to the invention lies in the

use of adhesives of different adhesion force or separable glued or sealed laminates. The opening of the packs according to the invention requires a combination ability in the sense that before pressing through the tablets, various parts of the packing must be separated from each other and pressed back together.

5 In the packings with a base part, the cup of the blister pack preferably protrudes outwards from the plane formed by the base part, where in the simplest case the cup of the blister pack penetrates an opening in the base part. If the base part consists of a deformable material, a cup can also be formed from this and the cup
10 of the blister pack arranged in the cup of the base part.

The outer packs can be produced particularly economically from a single cut-out.

At least two packings can be combined into multi-portion packs, where the individual packings are arranged next to each other in a strip pack and preferably can be separated from the strip pack along a weakening line, preferably a perforation line.

For production of the packing according to the invention, rigid, semi-rigid and flexible materials known today for the production of packing, in the form of sheets, films, laminates or other layer materials in a thickness from a few mm to a few mm, preferably 8 mm to 3 mm, can be used. Examples of film-like materials are metal foils such as for example aluminium foil. Other examples of film-like materials are paper, semi-cardboard and cardboard. Particularly important are plastic-containing films e.g. those based on polyolefins such as polyethylenes or polypropylenes, polyamides, polyvinyl chloride, polyesters such as polyalkylene terephthalates and in particular polyethylene terephthalate. The plastic-containing films can be monofilms of plastics, laminates of two or more plastic films, laminates of metal and plastic films, laminates of papers and plastic films or laminates of paper and metal and plastic films. The individual layers of the film-like materials can be attached to each other by means of adhesives, pastes, adhesive promotion agents and/or by extrusion coating, co-extrusion or laminating etc. Suitable plastic films are for example non-oriented or axially or biaxially oriented monofilms or laminates of two or more non-oriented or axially or biaxially oriented films of plastics based on polyolefins such as polyethylenes or polypropylenes, polyamides, polyvinyl chloride, polyesters such as polyalkylene terephthalates and in particular polyethylene terephthalate, cyclo-olefin-copolymers (CO) and polychlorotrifluoroethylene (PCTFE, trademark ACLAR).

Particularly suitable for the base parts of blister packs are transparent plastics with good moulding properties such as polyethylene, polypropylene, cyclo-olefin-copolymers (COC), polyvinyl chloride, polyethylene terephthalate, polyamide and
5 laminates made from said materials e.g. PVC and polychloro-trifluoroethylene (PCTFE) or PVC and PVDC (polyvinylidichloride). For non-transparent blister packs for example laminates are used of an aluminium film coated on both sides with a plastic film with for example the structure polyamide/aluminium/PVC or pigmented plastic films. The cover film is usually an aluminium film of a thickness
10 of e.g. 20 μm which can be painted and/or coated with a hot seal lacquer.

All the above film-like materials such as paper, semi-cardboard, cardboard and plastic films in the form of monofilms, laminates etc. can have at least one further
15 continuous layer of ceramic materials sputtered or deposited from a vacuum in a thickness of approximately 5 to 500 nm (nanometers) for example Al_2O_3 or SiO_x , where x is a figure between 1.5 and 2. These layers of ceramic materials have barrier properties and prevent the diffusion of gases and water vapours through the packing.

20 Further advantages, features and details of the invention arise from the description of preferred embodiments below and the drawings; these show diagrammatically

- 25 - Fig. 1 a longitudinal section through a first embodiment of the blister pack with outer pack;
- Fig. 2 a top view onto the outer pack of Fig. 1 of direction y;
- Fig. 3 - 5 a longitudinal section through the blister pack with outer pack as in Fig. 1 in successive opening positions,
- Fig. 6 a top view onto a blister pack with outer pack in Fig. 1 designed as a
30 multi-portion pack,
- Fig. 7 a longitudinal section through a second embodiment of a blister pack with outer pack,
- Fig. 8 a top view onto the outer pack of Fig. 7 in direction y;
- Fig. 9 - 11 a longitudinal section through the blister pack with outer pack of Fig.
35 7 in successive opening positions;
- Fig. 12 a top view onto a blister pack with outer pack designed as a multi-

and intermediate part 16 has a lower adhesion force than the first adhesive 30 between the intermediate part 16 and base part 14 or blister pack 12. The first adhesive 30 is for example an adhesive based on polyacrylate, other adhesive resins or an adhesive with a micro-encapsulation system. The second adhesive 5 32 is a reactive adhesive, the adhesion force of which for example rises in an oxygen atmosphere. The increase in adhesion force can be also caused however by other factors such as pressure, relative humidity etc.

To remove the tablet 20 first the cover part 18 is held at its tear tab 34 and 10 through an opening movement performed in arrow direction A separated from the intermediate part 16 below. In this position the second adhesive 32 is freely exposed to the ambient atmosphere, whereby its adhesion force increases due to a reaction with oxygen such that it exceeds the adhesion force of the first adhesive 30. In a next step the cover part 18 with the reacted second adhesive 32 is re- 15 placed on the intermediate part 16 in arrow direction B and connected with the intermediate part by way of the reacted second adhesive 32. In a variant with micro-encapsulation system, the tear tab 34 must be pressed firmly onto the intermediate part for example by pushing or rubbing between fingers. In a subsequent step the tear tab 34 of the cover part 18 is held again and pulled away from the 20 base in an opening movement performed in arrow direction C. As the adhesion force of the second reacted adhesive 32 is now greater than the adhesion force of the first adhesive 30, in the opening movement in arrow direction C a separation occurs between the intermediate part 16 and the base part 14 or blister pack 12. In this process the cover film 26 of the blister pack 12 is exposed. In this open 25 position the tablet 20 can be pushed through the cover film 26 by finger pressure on the cup 24 in arrow direction D and ejected. In a variant the cover film 26 is separated from the blister pack 12 in the opening movement in arrow direction C so that the tablet 20 can be removed without pushing through the cover film 26.

30 The base part 14 which serves for stability of the outer pack 10 can be omitted in another embodiment not shown in the drawing. Here, the cover part 18 can be connected as one piece with the blister pack 12 or its base part 22 and form a loop i.e. the outer pack consists of one and the same material e.g. the blister pack or its base part.

35

Fig. 6 shows a strip-like pack 40 with six individual packings according to Fig. 1 arranged next to each other. These can be separated from each other by linear perforations 42. The individual outer packs 10 can however also be opened with-

out needing to be separated from the packing strip 40.

A second embodiment shown in Figs. 7 to 11 of an outer pack 50 for a blister pack 52 of essentially strip-like structure is fitted with base part 54, an intermediate part 56, a separating part 57 and a cover part 58. The blister pack 52 - in the example shown a single-portion pack for a tablet 60 - has a base part 62 of for example polyvinyl chloride (PVC) with a cup 64 formed from this to hold the tablet 60 and a cover film 66 of for example aluminium sealed or glued to the base part 62. The cup 64 of the blister pack 52 penetrates a base opening 68 adapted to the periphery of the cup in the base part 54 of the outer pack 50 and protrudes outward from the base part 54. The base part 62 of the blister pack 60 lies on the inside of the base part 54 of the outer pack 50 and is at least partly glued to this by way of a permanent adhesive based for example on polyurethane. Instead of the base opening 68, where the material allows a cup can also be formed from the base part 54, i.e. the cup 64 of the blister pack 52 would in this case be held by the cup in the base part 54.

The intermediate part 56 is glued to the base part 54 or the blister pack 52 by way of a first adhesive 70. The separating part 57 lying on the intermediate part 56 covers a zone 76 separated from an edge area 72 and with a second adhesive 74. The cover part 58 lying on the intermediate part 56 and separating part 57 is glued by way of a third adhesive 78 to the edge area 72 of the intermediate part 56 and projects over the intermediate part 56 to form an adhesive-free tear tab 80. At the end of the outer pack 50 remote from the tear tab 80, the base part 54, intermediate part 56 and cover part 58 are permanently glued together. The separating part 57 covering the second adhesive 74 projects over the intermediate part 56 to form an adhesive-free grip tab 82.

In the closed outer pack 50 the third adhesive between the cover part 58 and the intermediate part 56 has a lower adhesion force than the first adhesive 70 between the intermediate part 56 and the base part 54 or blister pack 52. The second adhesive 74 of the zone of the intermediate part 56 covered by a separating part 57 has a greater adhesion force than the first adhesive 70, where the material for the separating part 57 is selected so that compared with the second adhesive 74 only a very low adhesion force is generated, and compared with the third adhesive 78 practically no adhesion force. The adhesives 70, 74, 78 are for example adhesives based on polyacrylate or other adhesive resins.

To remove the tablet 60 first the cover part 58 is held at its tear tab 80 and by an opening movement performed in arrow direction E separated from the intermediate part 56 below and the separating part 57 lying on this. In the next step the separating part 57 is held at its grip tab 84 and pulled in arrow direction F away from the intermediate part 56 to expose zone 76 with the second adhesive 74 of the intermediate part 56. In a variant with micro-encapsulation system, the tear tab 80 must be pressed on firmly. In a subsequent step the cover part 58 is replaced in arrow direction G on the intermediate part 56 with the now exposed zone 76 with the second adhesive 74, and connected to the intermediate part 56 by way of the exposed second adhesive 74. In a subsequent step the tear tab 80 of the cover part 58 is held again and pulled away from the base in an opening movement performed in arrow direction H. As the adhesion force of the second adhesive 74 is greater than the adhesion force of the first adhesive 70, in the opening movement in arrow direction H a separation occurs between the intermediate part 56 and the base part 54 or blister pack 52. In this process the cover film 66 of the blister pack 52 is exposed. In this open position the tablets 60 can be pushed by finger pressure on cup 64 in arrow direction I through the cover film 66 and ejected. In a variant the cover film 66 is already separated from the blister pack 52 in the opening movement in arrow direction I so that the tablet 60 can be removed without pushing through the cover film 66.

The base part 54 which serves for stability of the outer pack 50 can be omitted in another embodiment not shown in the drawing. Here, the cover part 58 can be connected as one piece with the blister pack 52 or its base part 62 and form a loop i.e. the outer pack consists of one and the same material e.g. the blister pack or its base part.

Fig. 12 shows a pack 90 with four square individual packings according to Fig. 7. These can be separated from each other by linear perforations 92. The individual outer packs 10 can however also be opened without needing to be separated from the pack of four 90. The tear tab 80 of the cover part 58 and grip tab 82 of the separating part 57 are here facing towards the centre of the pack 90 whereby the pack is easy to produce.

A third embodiment shown in Figs. 13 to 17 of an outer pack 100 for blister pack 102 of essentially strip-like shape is fitted with a base part 104, a cover part 106, a sealing part 108 and a tear-off part 120. The blister pack 102 - in the example shown a single-portion pack for a tablet 110 - has a base part 112 of for example

polyvinyl chloride (PVC) with a cup 114 moulded from this to hold the tablets 110, and a cover film 116 for example of aluminium sealed or glued to the base part 112. The cup 114 of the blister pack 102 penetrates a base opening 118 adapted to the periphery of the cup 114 in the base part 104 of the outer pack 100 and protrudes outwards from the base part 104. The base part 112 of the blister pack 102 lies on the inside of the base part 104 of the outer pack 100 and is at least partly glued to this. Instead of the base opening 118, where the material allows a cup can also be formed from the base part 104, i.e. the cup 114 of the blister pack 102 would in this case be held by the cup in the base part 104.

10

The base part 104, sealing part 108 and tear-off part 120 are connected together as one piece as strips of for example cardboard and when the outer pack 100 is closed are laid over each other in three layers to form a double loop, where the fold is such that the free ends of the base part 104 and tear-off part 120 project at the sides in the strip longitudinal direction as grip tabs 122, 124. The film-like cover part 106 of for example polyethylene terephthalate (PET) extends, covering the blister pack 102, over part of the base part 104 and is glued by way of a first adhesive 126 with the base part 104 or blister pack 102 and the cover part 106. With the outer pack 100 closed, the sealing part 108 is folded about a first fold line k and by way of a second adhesive 128 glued to the base part 104 below. This second adhesive 128 is arranged in the form a transverse strip on the sealing part 108 at the transition to the tear-off part 120. The tear-off part 120 lying on the sealing part 108 is glued to this by way of an adhesive point 130 lying in the area of the transition to the base part 104. The adhesive point 130 can for example take the form of a seal. The second adhesive 128 has a higher adhesion force than the first adhesive 126 between the cover part 106 and base part 104.

To remove the tablet 110, first the grip tabs 122 and 124 are held and pulled apart on both sides in arrow direction K. In this process the tear-off part 120 becomes detached at adhesive point 130 from the sealing part 108 and the sealing part 108 detached from the base part 104 at the strip of the second adhesive 128. The outer pack 100 extended into a strip of maximum length is now folded back in arrow direction L about a second fold line l. The position of fold line l is arranged so that after folding, the strip-like second adhesive 128 applied to the closing strip now lies on the cover part 106 and is glued to this after a slight pressure between two fingers.

35

In a further opening step the tear-off part 120 is held and pulled away from the

base in an opening movement performed in arrow direction M. As the adhesion force of the second adhesive 128 is greater than the force of the first adhesive 126, the opening movement in arrow direction M leads to a separation between the cover part 106 and the base part 104 or blister pack 102. In this process the
5 cover film 116 of the blister pack 102 is exposed. In this open position the tablet 110 can be pushed through the cover film 116 by finger pressure on cup 114 in arrow direction N and ejected.

A fourth embodiment shown in Figs. 18 to 22 of an outer pack 140 of for example
10 cardboard for a blister pack 142 of essentially strip-like shape has a base part 144 and a sealing part 146. The blister pack 142 - in the example shown a single portion pack for a tablet 148 - has a base part 150 of for example polyvinyl chloride (PVC) with a cup 152 formed from this to hold the tablet 148, and a cover film 154 of for example aluminium sealed or glued to the base part 150. The cup 152 of the
15 blister pack 142 penetrates a base opening 156 adapted to the periphery of the cup 152 in the base part 144 of the outer pack 140 and protrudes outwards from the base part 144. The base part 150 of the blister pack 142 lies on the inside of base part 144 of the outer pack 140 and is at least partly glued to this. Instead of the base opening 156, where the material allows a cup can also be formed from
20 the base part 144, i.e. the cup 152 of the blister pack 142 would in this case be held by the cup in the base part 144.

The sealing part 146 is brought together with the base part 144 in a first grip tab 158 and fixed here. Two film-like cover parts 160, 162 are connected by way of an
25 adhesive 164 with the base part 144 or blister pack 142 and sealing part 146 and brought together and fixed in a second grip tab 166 opposite the first grip tab 158. At their ends remote from the first and second grip tabs 158, 166, the cover parts 160, 162 and the base part 144 or sealing part 146 connected to these by way of the adhesive 164 are brought together and fixed in a third and fourth grip tab 168,
30 170.

The base part 144 of the outer pack 140 with the sealing part 146 forms a loop where the base part 144 and sealing part 146 are approximately parallel to each other. The sealing part 146 has a removal opening 172 opposite the base opening
35 156 or cup 152. This removal opening is closed by the cover part 162. The sealing part 146 is fixed to the base part 144 in the area of the third and fourth grip tabs 168, 170, opposite each other in the closed outer pack 140, by way of an adhesive point 174 to enclose the second grip tab 166. The adhesive point 174 can for

To remove the tablet 148 the third and fourth grip tabs 168, 170 are held and pulled apart in arrow direction O, exposing the second grip tab 166. In a second step the first and second grip tabs 156, 166 are held and pulled apart in arrow direction P. In this process the cover parts 160, 162 are detached from the base part 144 and sealing part 146 so that on complete extension in arrow direction P the base part 144 lies opposite the sealing part 146 and is glued to this by way of the adhesive 164. In the same way at the end of the stretch process the two cover parts 160, 162 lie on each other and are glued together by way of the adhesive 164. In this process the removal opening 172 is opened and now - separated only by the cover film 154 - exposes the tablet 148 in cup 152 opposite. In this open position the tablet 148 can be pushed by finger pressure on cup 152 in arrow direction Q through the cover film 154 and ejected through the removal opening 172. The removal opening 172 can also be covered by a push-through opening seal. This additional seal is for example limited by a weakening line, e.g. a perforation line, and is separated at the same time as the cover film 154 is pushed through.

25 Instead of the adhesive 164, the base part 144 or blister pack 142 can be releasably connected with the first cover part 160 and second cover part 162 with the sealing part 146, where this connection is for example glued or sealed. In the case of a seal, a laminate is formed which is separable at the sealing layer or seam.

intermediate part (16, 56).

4. Child-safe packing for tablets, capsules or similar pharmaceutical products with a blister pack (102) with at least one cup (114) to hold the tablets (110) sealed by a push-through cover film (116),

5 characterised in that

the blister pack (102) is arranged in an outer pack (100) between a base part (104) and a cover part (106), the cover part (106) is covered by a sealing part (108) and the sealing part (108) is overlaid by a tear-off part (120), where the cover film (116) of the blister pack (102) faces towards the

10 cover part (106), and in that with the outer pack (100) closed, between the base part (104) or blister pack (102) and cover part (106) is arranged a first adhesive (126) and between the base part (104) and sealing part (108) a second adhesive (128), where the second adhesive (128) has a higher ad-

15 hesive force than the first adhesive (126), and with the outer pack (100) closed the sealing part (108) is folded about a first fold line (k), and on opening the outer pack (100) about a second fold line (l), and where after folding the sealing part (108) about the second fold line (l), the second ad-

20 hesive (128) is arranged between the sealing part (108) and the cover part (106).
5. Child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack (142) with at least one cup (152) to hold the tablets (148) sealed by push-through cover film (154),

25 characterised in that

over the blister pack (142) fitted with an outer pack (140) is arranged a first cover part (160) and the first cover part (160) is overlaid by a second cover part (162) and a sealing part (146) lying on this, where the cover film (154) of the blister pack (142) faces towards the first cover part (160) and the

30 sealing part (146) has a removal opening (172) opposite the cup (152) of the blister pack (142), which is sealed by the second cover part (162) when the outer pack (140) is closed and is optionally covered by a push-through opening seal, the two cover parts (160, 162) are connected together at one end and at the other end each is connected to one end of the blister pack (142) or sealing part (146) and the blister pack (142) is connected to the

35 sealing part (146) at their other ends to form grip tabs (158, 166, 168, 170), and the grip tabs (166) of the two cover parts (160, 162) lie within a loop formed by the blister pack (142) and the sealing part (146), and with the

- outer pack (140) closed, between the first cover part (160) and the blister pack (142) and between the second cover part (162) and the sealing part (146) there is a releasable connection which is separated after opening the outer pack (140) after pulling on the grip tabs (158, 166), where in this open position of the outer pack (140) the cover film (154) over the cup (152) of the blister pack (142) lies opposite the removal opening (172).
- 5
6. Child-safe packing for tablets, capsules and similar pharmaceutical products with a blister pack (142) with at least one cup (152) to hold the tablets (148) sealed by push-through cover film (154),
- 10 characterised in that
- the blister pack (142) is arranged in an outer pack (140) between a base part (144) and a first cover part (160) and the first cover part (160) is overlaid by a second cover part (162) and a sealing part (146) lying on this,
- 15 where the cover film (154) of the blister pack (142) faces towards the first cover part (160) and the first cover part (160) has a removal opening (172) opposite the cup (152) of the blister pack (142) which is sealed by the second cover part (162) when the outer pack (140) is closed and is optionally covered by a push-through opening seal, the two cover parts (160, 162)
- 20 are connected together at one end and at the other end each is connected to one end of the base part (144) or sealing part (146), and the base part (144) is connected to sealing part (146) at their other ends to form grip tabs (158, 166, 168, 170), and the grip tabs (166) of the two cover parts (160, 162) lie within a loop formed by the base part (144) and the sealing part (146), and with the outer pack (140) closed, between the first cover part (160) and the base part (144) and between the second cover part (162)
- 25 and the sealing part (146) there is a releasable connection which can be separated after opening the outer pack (140) after pulling on the grip tabs (158, 166), where in this open position of the outer pack (140) the cover film (154) over the cup (152) of the blister pack (142) lies opposite the removal opening (172).
- 30
7. Packing according to claim 5 or 6, characterised in that the connection between the first cover part (160) and the blister pack or base part (144), and between the second cover part (162) and the sealing part (146), is
- 35 separably glued or sealed.
8. Packing according to claim 5 or 6, characterised in that with the outer pack

5

- 3

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(25) Einreichungssprache: Deutsch

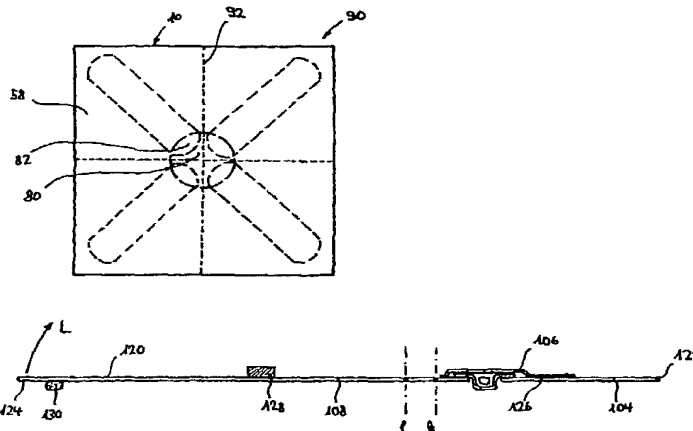
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[Fortsetzung auf der nächsten Seite]

(54) Title: CHILD-RESISTANT PACKAGING FOR TABLETS

(54) Bezeichnung: KINDERSICHERE VERPACKUNG FÜR TABLETTE



WO 00/75039 A2

(57) Abstract: The invention relates to a child-resistant yet senior-friendly packaging for tablets, capsules or similar pharmaceutical products. The inventive packaging is a blister pack (12) with at least one cup (24) that receives tablets in a external package (10), arranged between a base part (14) and an intermediate part (16), and that is closed by a cover film (26) that can be pressed through. Said intermediate part (16) is covered by a cover part (18). A first adhesive (30) is arranged between the base part (14) or the blister pack (12) and the intermediate part (16). A second adhesive (32) is arranged between the intermediate part (16) and the cover part (18). Said second adhesive (32), in the closed state of the external package (10), has a lower adhesiveness vis-à-vis the first adhesive (30) and, once the cover part (18) is released from the intermediate part (16), a higher adhesiveness vis-à-vis the first adhesive (30).

(57) Zusammenfassung: Bei einer kindersicheren und seniorenfreundlichen Verpackung (10) für Tabletten, Kapseln und dgl. pharmazeutische Produkte ist eine Blisterverpackung (12) mit wenigstens einem mittels einer durchdrückbaren Deckelfolie (26) verschlossenen Napf (24) zur Aufnahme der Tabletten in einer Umverpackung (10) zwischen einem Bodenteil (14) und einem Zwischenteil (16).

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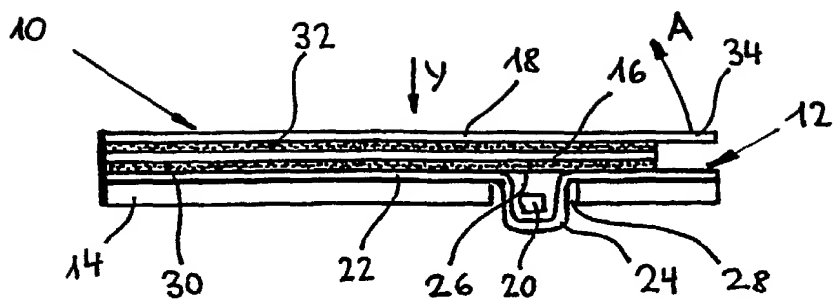


Fig.1

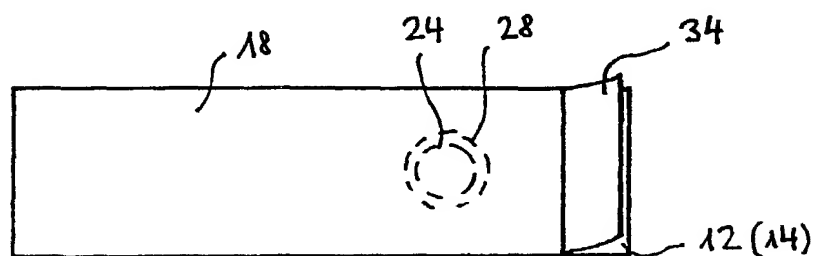


Fig.2

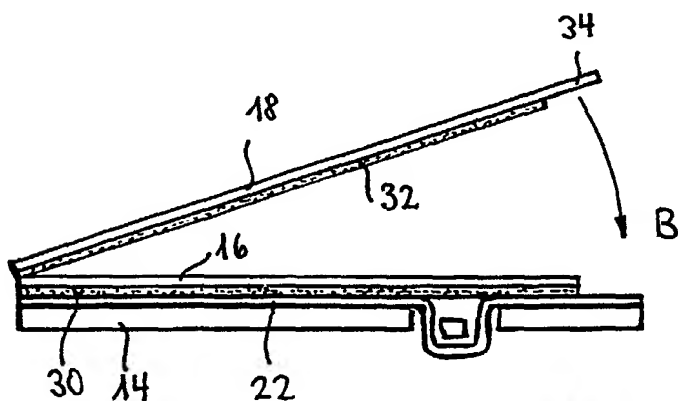


Fig.3

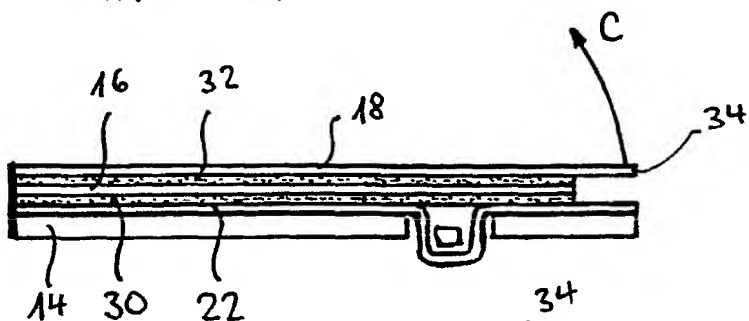


Fig.4

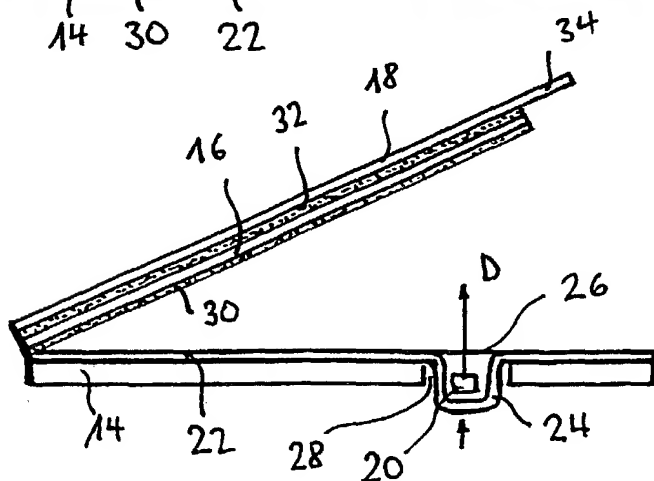


Fig.5

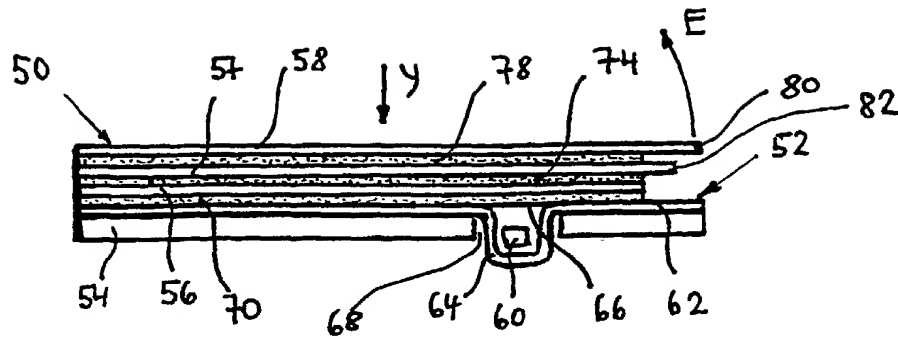


Fig.7

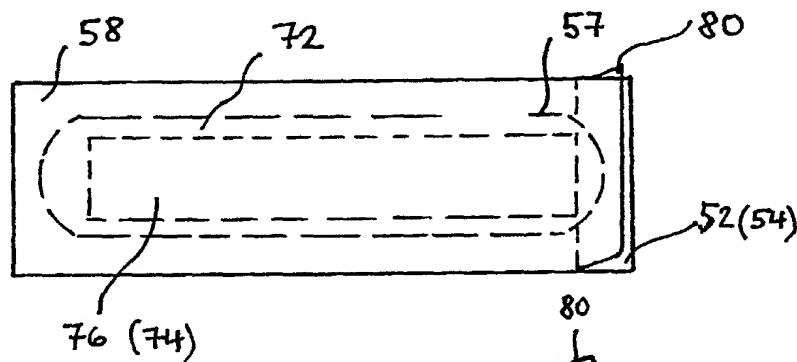


Fig.8

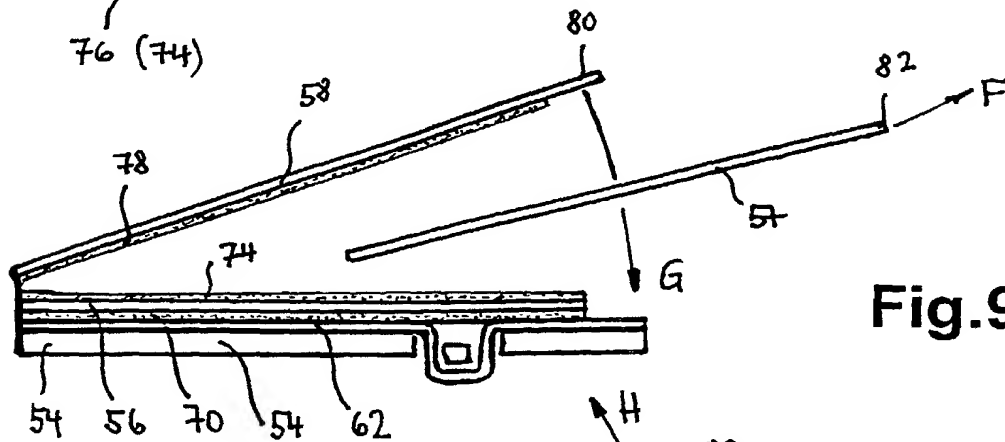


Fig.9

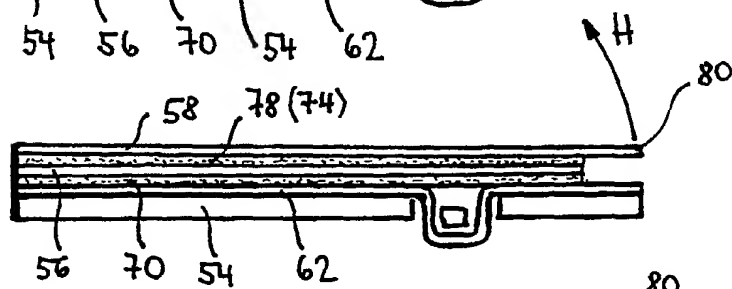


Fig.10

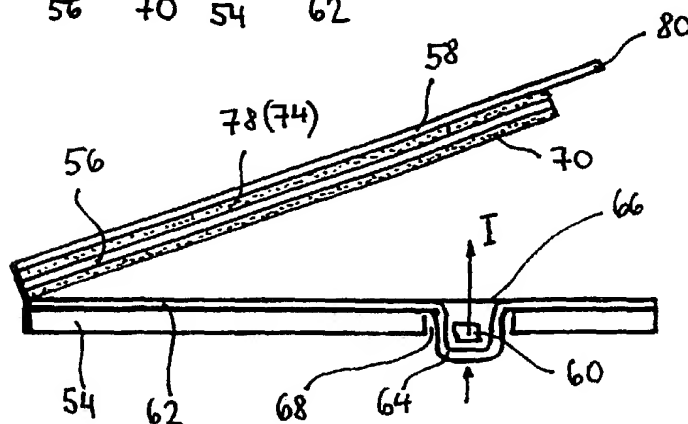


Fig.11

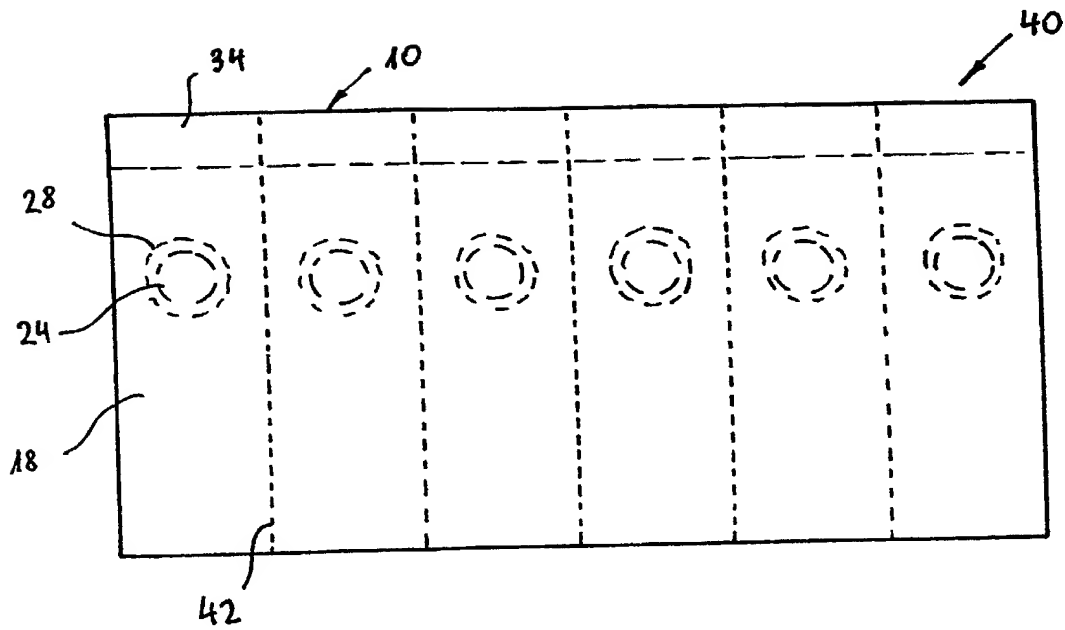


Fig. 6

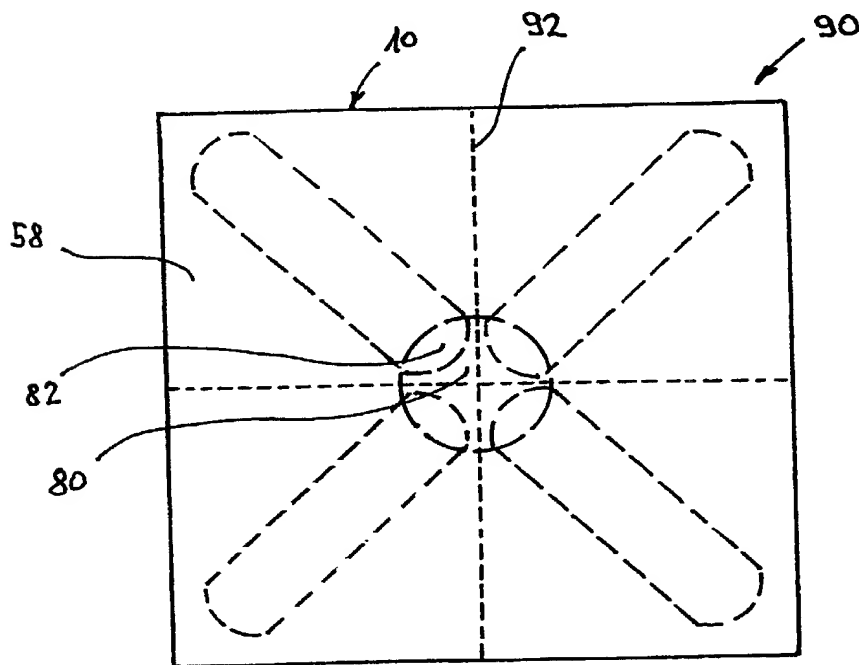


Fig. 12

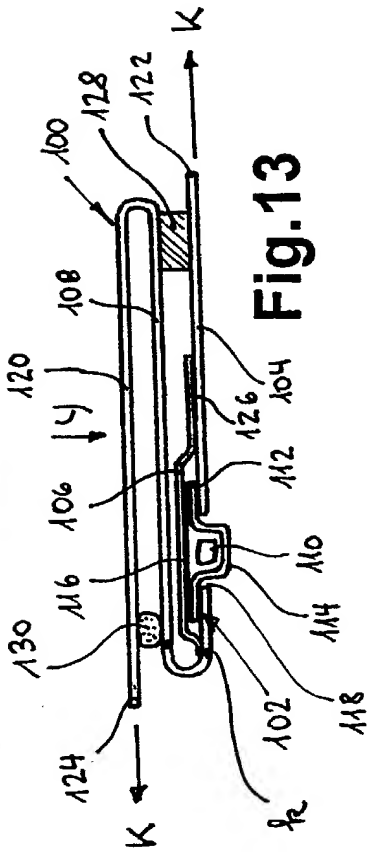


Fig. 13

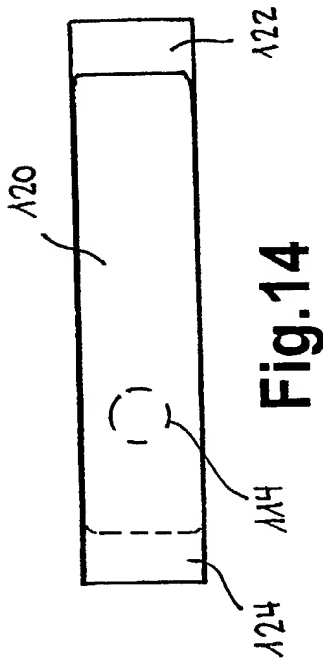


Fig. 14

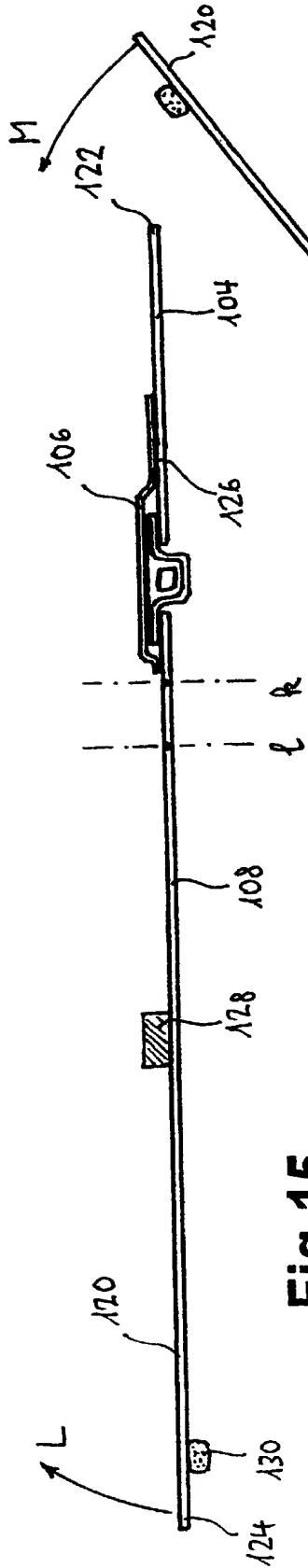


Fig. 15

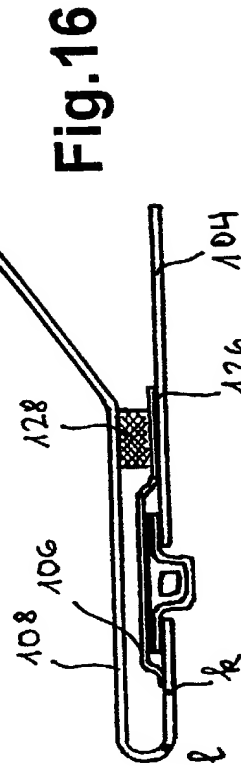


Fig. 16

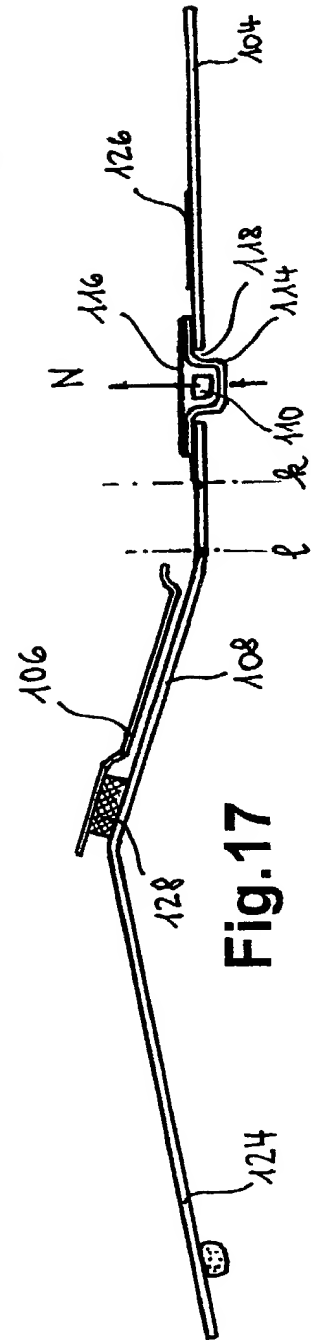


Fig. 17

Fig.18

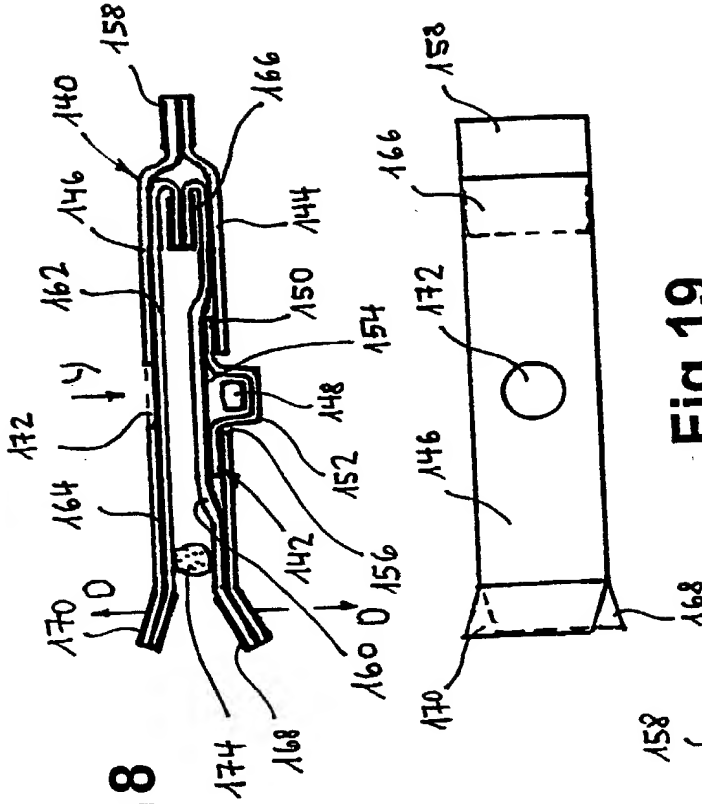


Fig.19

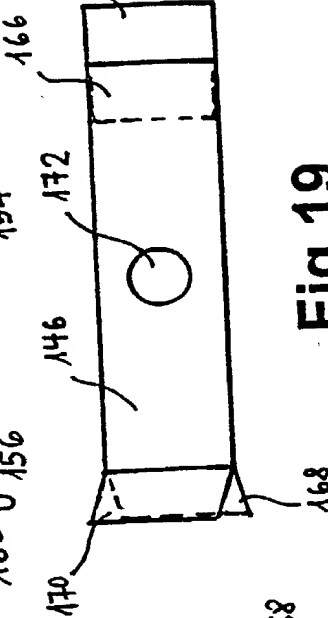


Fig.20

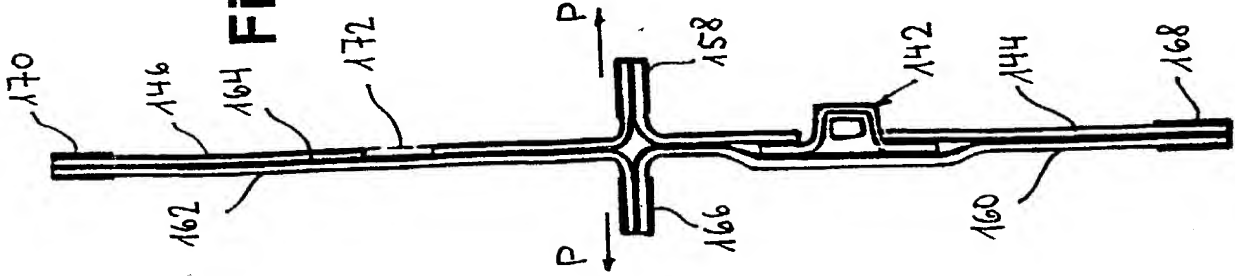


Fig.21

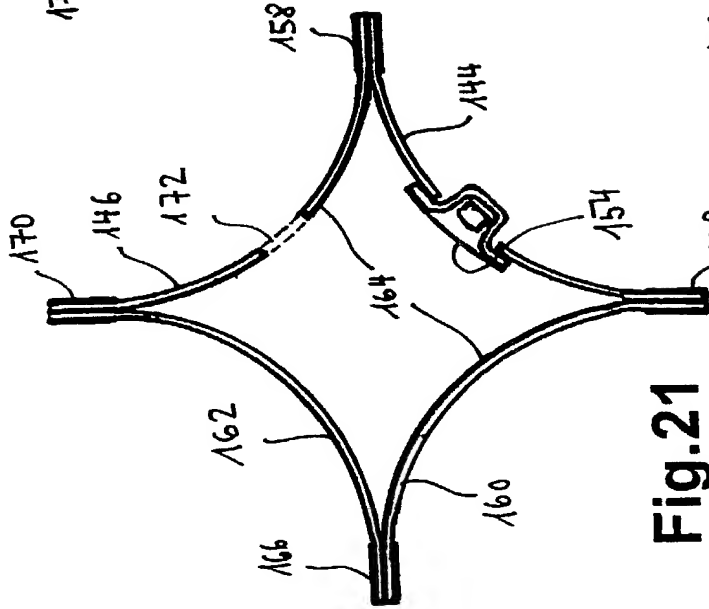
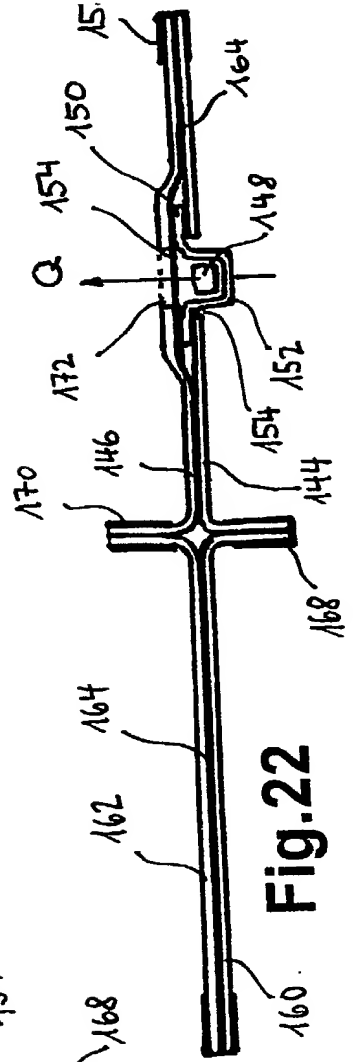


Fig.22



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Filing Date	November 21, 2001
First Named Inventor	KANCSAR
Title	CHILD-RESISTANT ...
Group Art Unit	
Examiner Name	
Attorney Docket Number	ATM-2243

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Telephone	202 659-2000	Fax	202 659-2015		

I am the:

☒ Applicant/Inventor. (Joint)
☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
SIGNATURE of Applicant or Assignee of Record

Name	Peter Kancsar
Signature	<i>P. Kancsar</i>
Date	May 7, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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Country	United States of America				
Telephone	202 659-2000	Fax	202 659-2015		

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☒ Applicant/Inventor. (Joint)

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
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SIGNATURE of Applicant or Assignee of Record

Name	Laurenz Zellweger
Signature	<i>L. Zellweger</i>
Date	May 7, 2002

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Application Number	09/926,583
Filing Date	November 21, 2001
First Named Inventor	KANCSAR
Title	CHILD-RESISTANT ...
Group Art Unit	
Examiner Name	
Attorney Docket Number	ATM-2243

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Name	Registration Number
Virgil H. Marsh	23,083
Kara M. Armstrong	38,234

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<input checked="" type="checkbox"/> Firm or Individual Name	Fisher Christen & Sabol				
Address	1725 K Street, N.W.				
Address	Suite 1401				
City	Washington	State	D.C.	Zip	20006
Country	United States of America				
Telephone	202 659-2000	Fax	202 659-2015		

I am the:

☒ Applicant/Inventor. (Joint)

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Michael Krohn
Signature	
Date	May 7, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 5 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

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Country	United States of America				
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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name Claudia Schmauder

Signature 

Date May 7, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/926,583
Filing Date	November 21, 2001
First Named Inventor	KANCSAR
Title	CHILD-RESISTANT ...
Group Art Unit	
Examiner Name	
Attorney Docket Number	ATM-2243

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Name	Registration Number
Virgil H. Marsh	23,083
Kara M. Armstrong	38,234

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Address	Suite 1401				
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Country	United States of America				
Telephone	202 659-2000	Fax	202 659-2015		

I am the:

☒ Applicant/Inventor. (Joint)

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Susanne Marti
Signature	<i>S. Marti</i>
Date	May 7, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 5 forms are submitted.

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PTO/SB/01 (10-01)

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	Attorney Docket Number ATM-2243	
	First Named Inventor KANCSAR	
	COMPLETE IF KNOWN	
	Application Number	09/ / 926,583
	Filing Date	November 21, 2001
	Art Unit	
<input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)		Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CHILD-RESISTANT PACKAGING FOR TABLETS

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) November 21, 2001 as United States Application Number or PCT International

Application Number 09/926,583 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
99810482.2 PCT/EP00/04333	Europe PCT	6/2/1999 5/13/2000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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DECLARATION — Utility or Design Patent Application

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Country <u>United States</u>			Telephone <u>202 659-2000</u>			Fax <u>659-2015</u>	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) <u>Peter</u>				Family Name or Surname <u>Kancsar</u>			
Inventor's Signature <u>P. Kancsar</u>						Date <u>May 7, 2002</u>	
Residence: City <u>Zurich</u> <u>CH</u>		State		Switzerland Country		Swiss Citizenship	
Mailing Address <u>Schaffhauserstr. 81</u>							
Zurich City		State		CH-8057 ZIP		Switzerland Country	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any]) <u>Laurenz</u>				Family Name or Surname <u>Zellweger</u>			
Inventor's Signature <u>C. Zellweger</u>						Date <u>May 7, 2002</u>	
Residence: City <u>Zurich</u> <u>CH</u>		State		Switzerland Country		Swiss Citizenship	
Mailing Address <u>Manessestr. 92</u>							
Zurich City		State		CH-8045 ZIP		Switzerland Country	
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>1</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

